Atty. Docket No.: P62141US1

IN THE CLAIMS:

Claims 1-24 (Canceled).

Claim 25 (Currently Amended): A multi-level secure network having a plurality of host computers

accessible to users and connected to a network medium that has access to an untrusted line, the secure

network comprising:

a network security controller for generating a plurality of user profiles for a single user and for

sending one of said plurality of user profiles as selected by the user to security devices connected to the

network medium, at least one of said plurality of each of said user profiles defining at least one of a plurality of

destinations which the user is authorized to access through discretionary access control and mandatory access

control security mechanisms, wherein a plurality of user profiles define virtual private networks of

communication comprising subsets of host computers; and,

security devices connected to the network medium for receiving the user profiles generated at

the network security controller as selected by the user and for implementing security mechanisms associated

with the user profiles, each security device associated with one host computer, each security device having an

authorization device for authorizing users at the associated host computer, the security device permitting the

authorized user, via the associated host computer, to select one of said plurality of user profiles associated

with the user and for restricting access of the host computer to the destinations defined in the selected user's

profile.

Atty. Docket No.: P62141US1

Claim 26 (Original): The network of claim 25, wherein the at least one destination comprises at

least one other host computer of the network or the untrusted line.

Claim 27 (Previously Amended): The network of claim 25, wherein the security device, when

implementing security mechanisms, allows the host computer to connect to a trusted destination.

Claim 28 (Currently Amended): The network of claim 25, wherein the security device, when not

implementing security mechanisms, allows the host computer to connect to an untrusted destination.

Claim 29 (Original): The network of claim 25, wherein the untrusted line comprises the Internet.

Claim 30 (Original): The network of claim 25, wherein a user cannot simultaneously communicate

with a trusted destination and an untrusted destination.

Claim 31 (Original): The network of claim 25, wherein a user is prevented from simultaneously

connecting to destinations having different security levels.

Claim 32 (Original): The network of claim 25, wherein a user can only select one profile at a time.

Claim 33 (Canceled)

Atty. Docket No.: P62141US1

Claim 34 (Original): The network of claim 25, wherein security is implemented at a network layer of

protocol hierarchy.

Claims 35 - 36 (Cancelled)

Claim 37 (Original): The network of claim 25, wherein the security devices are integrated with the

associated host computer.

Claim 38 (Currently Amended): A method for operating a multi-level secure network having a plurality

of host computers accessible to users and a network security controller, each of which are connected to a

network medium that has access to an untrusted line, the method comprising:

generating at the network security controller a plurality of user profiles for at least one each

user, each of said at least one of the user profiles defining at least one of multiple destinations which the user

is authorized to access through discretionary access control and mandatory access control security

mechanisms, to define virtual private networks of communication comprising subsets of host computers;

authorizing a user at a host computer;

permitting, at the host computer, the authorized user to select one of said plurality of user

profiles associated with the user;

sending one of said plurality of user profiles from said network security controller, as selected

by the authorized user, to said host computer; and

restricting access of the host computer to the destinations defined in the selected user's

profile.

Atty. Docket No.: P62141US1

Claim 39 (Currently Amended): The method of claim 38, wherein each of the destinations comprise

other host computers of the network or the untrusted line.

Claim 40 (Previously Amended): The method of claim 38, further comprising the step of implementing

a security mechanism to enable the host computer to connect to a trusted destination.

Claim 41 (Original): The method of claim 38, further comprising the step of not implementing security

mechanisms when the host computer connects to an untrusted destination.

Claim 42 (Original): The method of claim 38, wherein the untrusted line comprises the Internet.

Claim 43 (Original): The method of claim 38, wherein a user cannot simultaneously communicate with

a trusted destination and an untrusted destination.

Claim 44 (Original): The method of claim 38, wherein a user is prevented from simultaneously

connecting to destinations having different security levels.

Claim 45 (Original): The method of claim 38, wherein a user can only select one profile at a time.

Claim 46 (Canceled)

Attv. Docket No.: P62141US1

Claim 47 (Original): The method of claim 38, wherein security is implemented at a network layer of

protocol hierarchy.

Claim 48 (Cancelled)

Claim 49 (Original): The method of claim 38, wherein the destination in a user's profile correspond to

a level of security granted the user.

Claims 50 - 53 (Cancelled)

Claim 54 (Currently Amended): A multi-level secure network having a plurality of host computers

accessible to users and interconnected with the Internet, the secure network comprising:

a network security controller for enabling a security officer to generate a plurality of user

profiles for at least one of a plurality of users, each user profile defining at least one destination from a

multiplicity of destinations which a user is authorized to access, and for sending a user profile to a security

device, as selected by an authorized user; and,

security devices connected with said host computers for receiving from the security officer the

user profiles generated at the network security controller, each security device associated with one host

computer, each security device having an authorization system for authorizing users at the associated host

computer, the security device permitting the authorized user, via the associated host computer, to select one of

the plurality of user profiles associated with the user and for restricting access of the host computer to the at

least one destination destinations defined in the selected user's profile, and wherein each security device

Atty. Docket No.: P62141US1

includes a communication control system to control access of the host computer to the communication

medium, said communication control system including a data storage device for storing data provided by said

host computer in a memory space, and for transferring data out of said memory space while making the

transferred data inaccessible to said host computer.

Claims 55 – 58 (Cancelled)

Claim 59 (Currently Amended): The secure network of claim 25 wherein said network security

controller includes means for sending updated user profiles to said security devices.

Claims 60 - 68 (Cancelled)

Claim 69 (Currently Amended): A method for controlling a sending computer to transmit

information to a receiving computer over a computer network, the method comprising:

providing a security device at each sending computer and receiving computer;

setting user identification information at each security device for enabling a user to access

the computer associated with the security device;

setting a plurality of user profiles at one or more of the security devices to enable a user to

select one of said plurality of user profiles each user profile defining one or more destinations that the user

is authorized to communicate with;

Atty. Docket No.: P62141US1

providing a network security controller on said computer network for receiving from said

security device the identification of an authorized user and the selected user profile and for forwarding the

selected user profile to the security device for said authorized user, including providing discretionary

access control and mandatory access control policies for each user profile;

receiving information to be transmitted from the sending computer to the receiving

computer at the sending computer security device;

implementing security mechanisms at a network layer of ISO protocol hierarchy to

determine whether communication is authorized from the sending computer to the receiving computer by

determining if the receiving computer is in a transmit list and consistent with a transmit security window

through discretionary access control and mandatory access control, respectively and, if either condition is

not satisfied then terminating the transmission of information and sending termination notice to the network

security controller, otherwise encrypting the information to be transmitted; and

transmitting the encrypted information to the security device of the receiving computer

over the computer network.

Claim 70 (Previously Presented): The method of claim 69 further comprising the step of changing

user profiles at the network security controller and updating available user profiles at a security device.

Claim 71 (Previously Presented): The method of claim 69 further comprising the step of auditing

the termination of transmission of information at the network security controller.

Claim 72 (Cancelled)

Atty. Docket No.: P62141US1

Claim 73 (Currently Amended): The method of claim 69 wherein said computer network includes

the Internet.

Claim 74 (Previously Presented): The method of claim 69 wherein each security device prevents

simultaneous connection at different security levels established by mandatory access controls.

Claim 75 (Previously Presented): The method of claim 69 wherein each security device prevents

simultaneous connection to trusted and untrusted networks.

Claims 76 – 84 (Cancelled)

Claim 85 (Previously Presented): The network of claim 25 wherein said security devices include

means for enabling a plurality of user profiles to be set for a single user.

Claim 86 (Previously Presented): The network of claim 85 wherein said plurality of user profiles to

be set for a single user is specific to a particular host computer associated with the security device.

Claim 87 (Previously Presented): The network of claim 85 wherein at least one of said plurality of

user profiles enables access to a plurality of destinations.

Atty. Docket No.: P62141US1

Claim 88 (Previously Presented): The network of claim 54 wherein at least one of said plurality of user profiles includes a plurality of destinations.

Claim 89 (Previously Presented): The network of claim 88 wherein said network security controller enables the security officer to generate different user profiles at different security devices for a single user.